

```

=> s botulinum
L1      23894 BOTULINUM

=> s 11 (4a) (type A)
L2      5244 L1 (4A) (TYPE A)

=> s 12 (40a) (modified or mutat###)
L3      100 L2 (40A) (MODIFIED OR MUTAT###)

=> s 13 (120a) tyrosine
L4      10 L3 (120A) TYROSINE

=> duplicate remove
ENTER L# LIST OR (END):14
DUPLICATE PREFERENCE IS 'USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L4
L5      10 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)

=> d 1-10

L5      ANSWER 1 OF 10 USPATFULL on STN
AN      2006:302483 USPATFULL
TI      Post-translational modifications and Clostridial neurotoxins
IN      Steward, Lance E., Irvine, CA, UNITED STATES
        Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
        Spanoyannis, Athena, Ashburn, VA, UNITED STATES
        Aoki, K. Roger, Coto de Caza, CA, UNITED STATES
        Lin, Wei-Jen, Cerritos, CA, UNITED STATES
PI      US 2006258843      A1 20061116
AI      US 2005-141513      A1 20050531 (11)
RLI     Continuation-in-part of Ser. No. US 2001-4230, filed on 31 Oct 2001,
        ABANDONED
PRAI    US 2000-249540P      20001117 (60)
DT      Utility
FS      APPLICATION
LN.CNT 1221
INCL    INCLM: 530/350.000
NCL     NCLM: 530/350.000
IC      IPCI C07K0014-00 [I,A]; C07K0001-00 [I,A]; C07K0017-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5      ANSWER 2 OF 10 USPATFULL on STN
AN      2006:46460 USPATFULL
TI      Chimera botulinum toxin type E
IN      Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
        Steward, Lance E., Irvine, CA, UNITED STATES
        Herrington, Todd, Brookline, MA, UNITED STATES
        Aoki, K. Roger, Coto de Caza, CA, UNITED STATES
PI      US 2006039929      A1 20060223
AI      US 2005-36532      A1 20050114 (11)
RLI     Continuation-in-part of Ser. No. US 2004-757077, filed on 14 Jan 2004,
        PENDING Continuation-in-part of Ser. No. US 2002-163106, filed on 4 Jun
        2002, PENDING Continuation-in-part of Ser. No. US 2001-910346, filed on
        20 Jul 2001, ABANDONED Continuation-in-part of Ser. No. US 2000-620840,
        filed on 21 Jul 2000, GRANTED, Pat. No. US 6903187
DT      Utility
FS      APPLICATION
LN.CNT 4295
INCL    INCLM: 424/239.100
        INCLS: 530/350.000
NCL     NCLM: 424/239.100
        NCLS: 530/350.000

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IC IPCI A61K0039-08 [I,A]; C07K0014-33 [I,A]; C07K0014-195 [I,C*]
IPCR A61K0039-08 [I,A]; A61K0039-08 [I,C]; C07K0014-195 [I,C];
C07K0014-33 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 10 USPATFULL on STN
AN 2005:298566 USPATFULL
TI Leucine-based motifs and enhanced biological persistence of clostridial neurotoxins
IN Steward, Lance E., Irvine, CA, UNITED STATES
Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
Herrington, Todd M., Brookline, MA, UNITED STATES
Aoki, Kei Roger, Coto De Caza, CA, UNITED STATES
PA Allergan Sales, Inc., Irvine, CA, UNITED STATES (U.S. corporation)
PI US 2005260230 A1 20051124
AI US 2004-753537 A1 20040108 (10)
RLI Division of Ser. No. US 2001-910346, filed on 20 Jul 2001, ABANDONED
Continuation-in-part of Ser. No. US 2000-620840, filed on 21 Jul 2000,
GRANTED, Pat. No. US 6903187
DT Utility
FS APPLICATION
LN.CNT 1803
INCL INCLM: 424/239.100
INCLS: 530/350.000
NCL NCLM: 424/239.100
NCLS: 530/350.000
IC [7]
ICM A61K039-08
ICS C07K014-33
IPCI A61K0039-08 [ICM,7]; C07K0014-33 [ICS,7]; C07K0014-195 [ICS,7,C*]
IPCR A61K0038-00 [N,C*]; A61K0038-00 [N,A]; C07K0014-195 [I,C*];
C07K0014-33 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 10 PCTFULL COPYRIGHT 2007 Univentio on STN
AN 2005068494 PCTFULL ED 20050803 EW 200530
TIEN CHIMERA BOTULINUM TOXIN TYPE E
TIFR TOXINE BOTULINUM CHIMERE DE TYPE E
IN FERNANDEZ-SALAS, Ester, 1710 Rocky Road, Fullerton, CA 92831, US [ES, US];
STEWARD, Lance, E., 9 Woodfern, Irvine, CA 92614, US [US, US];
HERRINGTON, Todd, M., 1 Alameda, Irvine, CA 92620, US [US, US];
AOKI, Kei, Roger, 2 Ginger Lily Court, Coto de Caza, CA 92679, US [US, US]
PA ALLERGAN, INC., 2525 Dupont Drive, Irvine, CA 92712, US [US, US], for all designates States except US;
FERNANDEZ-SALAS, Ester, 1710 Rocky Road, Fullerton, CA 92831, US [ES, US], for US only;
STEWARD, Lance, E., 9 Woodfern, Irvine, CA 92614, US [US, US], for US only;
HERRINGTON, Todd, M., 1 Alameda, Irvine, CA 92620, US [US, US], for US only;
AOKI, Kei, Roger, 2 Ginger Lily Court, Coto de Caza, CA 92679, US [US, US], for US only
AG DONOVAN, Stephen, Allergan, Inc., 2525 Dupont Drive, Irvine, CA 92612, US
LAF English
LA English
DT Patent
PI WO 2005068494 A2 20050728
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG

MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE
SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW
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FI GE HU JP KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK
SL TJ TR TT UA UG UZ YU
RW (ARIPO): BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2005-US1370 A 20050114
PRAI US 2004-10/757,077 20040114
ICM C07K014-33
ICS C12N015-31

L5 ANSWER 5 OF 10 USPATFULL on STN
AN 2004:281085 USPATFULL
TI Clostridial neurotoxin compositions and modified clostridial neurotoxins
IN Steward, Lance E., Irvine, CA, UNITED STATES
Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
Herrington, Todd M., Brookline, MA, UNITED STATES
Aoki, Kei Roger, Coto de Caza, CA, UNITED STATES
PI US 2004220386 A1 20041104
AI US 2004-757077 A1 20040114 (10)
RLI Continuation-in-part of Ser. No. US 2002-163106, filed on 4 Jun 2002,
PENDING Continuation-in-part of Ser. No. US 2001-910346, filed on 20 Jul
2001, PENDING Continuation-in-part of Ser. No. US 2000-620840, filed on
21 Jul 2000, PENDING
DT Utility
FS APPLICATION
LN.CNT 4656
INCL INCLM: 530/350.000
INCLS: 424/239.100
NCL NCLM: 530/350.000
NCLS: 424/239.100
IC [7]
ICM C07K014-33
ICS A61K039-08
IPCI C07K0014-33 [ICM,7]; C07K0014-195 [ICM,7,C*]; A61K0039-08 [ICS,7]
IPCR A61K0038-00 [N,C*]; A61K0038-00 [N,A]; C07K0014-195 [I,C*];
C07K0014-33 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 10 USPATFULL on STN
AN 2004:82327 USPATFULL
TI Botulinum toxin therapy for fibromyalgia
IN Voet, Martin A., San Juan Capistrano, CA, UNITED STATES
PA Allergan, Inc. (U.S. corporation)
PI US 2004062776 A1 20040401
AI US 2003-666408 A1 20030918 (10)
RLI Continuation-in-part of Ser. No. US 2001-954610, filed on 17 Sep 2001,
GRANTED, Pat. No. US 6623742
DT Utility
FS APPLICATION
LN.CNT 1169
INCL INCLM: 424/239.100
NCL NCLM: 424/239.100
IC [7]
ICM A61K039-08
IPCI A61K0039-08 [ICM,7]
IPCR A61K0038-43 [I,C*]; A61K0038-48 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 10 USPATFULL on STN
AN 2003:311867 USPATFULL
TI Clostridial neurotoxin compositions and modified clostridial neurotoxins
IN Steward, Lance E., Irvine, CA, UNITED STATES
Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
Herrington, Todd, Brookline, MA, UNITED STATES
Aoki, Kei Roger, Coto De Caza, CA, UNITED STATES
PA Allergan Sales, Inc (U.S. corporation)
PI US 2003219462 A1 20031127
AI US 2002-163106 A1 20020604 (10)
RLI Continuation-in-part of Ser. No. US 2001-910346, filed on 20 Jul 2001,
PENDING Continuation-in-part of Ser. No. US 2000-620840, filed on 21 Jul
2000, PENDING
DT Utility
FS APPLICATION
LN.CNT 2598
INCL INCLM: 424/239.100
INCLS: 435/317.100
NCL NCLM: 424/239.100
NCLS: 435/317.100
IC [7]
ICM A61K039-08
ICS C12N001-00
IPCI A61K0039-08 [ICM,7]; C12N0001-00 [ICS,7]
IPCR A61K0038-00 [N,C*]; A61K0038-00 [N,A]; C07K0014-195 [I,C*];
C07K0014-33 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 10 USPATFULL on STN
AN 2003:79050 USPATFULL
TI Methods for treating fibromyalgia
IN Voet, Martin A., San Juan Capistrano, CA, UNITED STATES
PA Allergan Sales, Inc., Irvine, CA, UNITED STATES (U.S. corporation)
PI US 2003054975 A1 20030320
US 6623742 B2 20030923
AI US 2001-954610 A1 20010917 (9)
DT Utility
FS APPLICATION
LN.CNT 1187
INCL INCLM: 514/002.000
NCL NCLM: 424/236.100; 514/002.000
NCLS: 424/247.100; 435/071.300; 514/002.000; 514/012.000; 530/344.000;
530/350.000
IC [7]
ICM A61K038-16
IPCI A61K0038-16 [ICM,7]
IPCI-2 A61K0039-08 [ICM,7]; C07K0014-33 [ICS,7]; C07K0014-195 [ICS,7,C*]
IPCR A61K0038-43 [I,C*]; A61K0038-48 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 10 USPATFULL on STN
AN 2003:38105 USPATFULL
TI Leucine-based motif and clostridial neurotoxins
IN Steward, Lance E., Irvine, CA, UNITED STATES
Fernandez-Salas, Ester, Fullerton, CA, UNITED STATES
Herrington, Todd M., Brookline, MA, UNITED STATES
Aoki, Kei Roger, Coto De Caza, CA, UNITED STATES
PA Allergan Sales, Inc. (U.S. corporation)
PI US 2003027752 A1 20030206
AI US 2001-910346 A1 20010720 (9)
RLI Continuation-in-part of Ser. No. US 2000-620840, filed on 21 Jul 2000,

PENDING
DT Utility
FS APPLICATION
LN.CNT 2036
INCL INCLM: 514/012.000
INCLS: 530/350.000
NCL NCLM: 514/012.000
NCLS: 530/350.000
IC [7]
ICM A61K038-17
ICS C07K014-435
IPCI A61K0038-17 [ICM, 7]; C07K0014-435 [ICS, 7]
IPCR C12N0015-09 [I,C*]; C12N0015-09 [I,A]; A61K0038-00 [I,C*];
A61K0038-00 [I,A]; A61P0001-00 [I,C*]; A61P0001-00 [I,A];
A61P0005-00 [I,C*]; A61P0005-00 [I,A]; A61P0021-00 [I,C*];
A61P0021-00 [I,A]; A61P0025-00 [I,C*]; A61P0025-00 [I,A];
A61P0025-04 [I,A]; A61P0027-00 [I,C*]; A61P0027-02 [I,A];
A61P0029-00 [I,C*]; A61P0029-02 [I,A]; A61P0037-00 [I,C*];
A61P0037-00 [I,A]; C07K0014-195 [I,C*]; C07K0014-33 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 10 OF 10 PCTFULL COPYRIGHT 2007 Univentio on STN
AN 2002008268 PCTFULL ED 20020814
TIEN LEUCINE-BASED MOTIF AND CLOSTRIDIAL NEUROTOXINS
TIFR MOTIF A BASE DE LEUCINE ET NEUROTOXINES CLOSTRIDIALES
IN STEWARD, Lance, E.;
FERNANDEZ-SALAS, Ester;
HERRINGTON, Todd, M.;
AOKI, Kei, Roger
PA ALLERGAN SALES, INC.;
STEWARD, Lance, E.;
FERNANDEZ-SALAS, Ester;
HERRINGTON, Todd, M.;
AOKI, Kei, Roger
DT Patent
PI WO 2002008268 A2 20020131
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ
UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI
FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN
GQ GW ML MR NE SN TD TG
AI WO 2001-US23122 A 20010720
PRAI US 2000-09/620,840 20000721
ICM C07K014-33